

FFCO

ENTERED



Waste Management Programs (WM-PROG)
Los Alamos National Laboratory
P.O. Box 1663, M969
Los Alamos, New Mexico 87545
(505) 667-8160

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 667-5105/Fax (505) 667-5948



Date: JUN 16 2017
Symbol: EPC-DO: 17-228
LA-UR: 17- 24771
Locates Action No.: n/a

RETURN RECEIPT REQUESTED

Ms. Siona Briley, STP Project Manager
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Building 1
Santa Fe, New Mexico 87505-6303

Subject: Notice of Completion of Off-Site Waste Shipment For Final Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory

Dear Ms. Briley:

This letter notifies the New Mexico Environment Department (NMED) of a completion of off-site waste shipment in accordance with Section IX(A)(1), Deletion of Waste in the Federal Facility Compliance Order (FFCO). This provision requires that the Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) notify the NMED of the shipment off site of waste included in the STP, and provide documentation of the receipt of the waste at an off-site storage facility within 45 days of its receipt.

On April 8, 2014, container LA00000068227 was shipped to the Waste Control Specialists (WCS) in Andrews, Texas facility for temporary off-site storage due to the closure of the Waste Isolation Pilot Plant (WIPP). Due to the fact that this container was transferred for interim storage, it was not removed from the STP inventory as documented in HWB-LANL-14-026. WIPP is now operational and is accepting waste for final disposal. This container was shipped to WIPP on May 4, 2017. For your reference are included



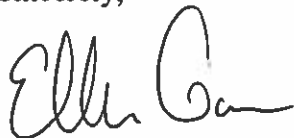
the MTRU Shipment Detail (Enclosure 1), MTRU Shipment Manifest (Enclosure 2) and the HWB-LANL-14-026 (Enclosure 3).

This correspondence provides our notification that container LA00000068227 has been received by WIPP for Final Disposal on May 4, 2017.

In accordance with the requirements of Section XX of the FFCO, "*Documents, Information, and Reporting Requirements*," we certify, as the project managers responsible for overseeing the implementation of the

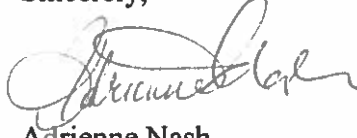
Site Treatment Plan for the Los Alamos National Laboratory and for Los Alamos Site Office/National Nuclear Security Administration, that, to the best of our knowledge and belief, the information in this document is true, accurate, and complete. If you have any questions, please contact Ellen E. Gammon at (505) 665-5587, or by email at eboyca@lanl.gov, or Adrienne L. Nash at (505) 665-5026, or by email at adrienne.nash@nnsa.doe.gov.

Sincerely,



Ellen Gammon
STP Project Manager
Waste Management Programs (WM-PROG)
Los Alamos National Security, LLC

Sincerely,



Adrienne Nash
STP Project Manager
Los Alamos Field Office
U.S. Department of Energy
National Nuclear Security Administration

EG/AN:aomm

Enclosure 1: MTRU Waste Shipment Detail
Enclosure 2: MTRU Waste Shipment Manifest
Enclosure 3: Letter from John E. Kieling Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order Los Alamos National Laboratory HWB-LANL-14-0426

Cy: John E. Kieling, NMED-HWB, Santa Fe, NM (E-File)
Adrienne L. Nash, NA-LA (E-File)
Darlene Rodriguez, NA-LP (E-File)
George C. Henckel III, NA-OO-LA, (E-File)
Carl A. Beard, PADOPS, (E-File)
Craig S. Leasure, PADOPS (E-File)
Milton L. Bishop, EM-WM (E-File)
Elizabeth A. Churchill, LASO-SUP (E-File)
David J. Nickless, EM-WM (E-File)
Michael T. Brandt, ADESH (E-File)
Raeanna R. Sharp-Geiger, ADESH (E-File)
Susan L. McMichael, LC-ESH (E-File)
Tammy A. Diaz, EPC-WMP (E-File)

Alice Olivia M. Martinez, EPC-WMP (E-File)
Anthony R. Grieggs, EPC-CP (E-File)
Mark P. Haagenstad, EPC-CP (E-File)
David J. Funk, ADEM (E-File)
Patrice A. Stevens, ADEP-PSM (E-File)
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Adesh-records@lanl.gov (E-File)

ENCLOSURE 1

MTRU Shipment Details Table

EPC-DO: 17-228

LA-UR: 17-24771

Date: JUN 16 2017

GP Section	Container ID	Waste Stream	Acceptable Knowledge ID	Treatability Group	Manifest No.	Volume Removed from STP Inventory from WCS	Volume Shipped (m3)	Shipment Date
4	LA00000068227	LA- MHD01.001	CCP-AK- LANL-006	Combustible-Noncombustible Waste	014974081JJK	1.900	1.900	5/4/2017

ENCLOSURE 2

MTRU Shipment Manifests

EPC-DO: 17

LA-UR: 17-24771

Date: **JUN 16 2017**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NMD890010515	2. Page 1 of 1	3. Emergency Response Phone 505-667-6211	4. Manifest Tracking Number 014974081 JJK			
5. Generator's Name and Mailing Address WCS on behalf of LANL on behalf of U.S.DOE 9996W State HWY 176 Andrews, TX 79714 Generator's Phone: 432-625-8500		Generator's Site Address (if different than mailing address) Los Alamos National Security LLC for TA-54 WEST, BLDG 36 Los Alamos, MN						
6. Transporter 1 Company Name Visionary Solutions		U.S. EPA ID Number NMR000013086						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address USDOE in care of WIPP Nuclear Waste Partnership 30 Miles SE of Carlsbad on Jal Highway Carlsbad, NM 88221 USA Facility's Phone: 575-234-8125		U.S. EPA ID Number NM4890139088						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN2916, WASTE, Radioactive Material, Type B(U) Package, fissile excepted, 7, Pu-238, Pu-239, 2.99E+0 TBq Solid Oxide, Radioactive Yellow-II, T= 0.4, USA9218/B(U)F-96, TP-184	1	CM	1215	K	F001 D004	F002 D005	F005 D006
X	2. RQ UN2916, WASTE, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, 9.92E-2TBq Solid Oxide, Radioactive Yellow-II, T=0.4, USA9218/B(U)F-96, TP-186	1	CM	919	K	F001 D004	F002 D005	F005 D006
X	3. UN2908, Radioactive material, excepted package-empty packing, 7, TP-189	1	CM	5606	K			
	4.							
14. Special Handling Instructions and Additional Information Shipment# WC170002; ERG# 163; Tractor# 321 Trailer# C-361; Gross weight (KG): TP# 184-6962KG, 14-108456-LA00000068227/14-108434-LA00000068265, TP# 186-6531KG, 14-108443-LA00000068267/ 14-108425-LA00000068009 TP# 189-5606KG								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Barbara Vogler					Signature Barbara Vogler		Month Day Year 15 4 17	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Richard A Perez Signature Transporter 2 Printed/Typed Name Signature Month Day Year 15 4 17								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator): U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator): Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 2. 3. 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year								

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NM0890710E15		2. Page 1 of 1	3. Emergency Response Phone No. 805-667-4211	4. Manifest Tracking Number 014974081 JJK			
5. Generator's Name and Mailing Address WCS on behalf of LANL on behalf of U.S. DOE 3996W State HWY 176 Andrews, TX 73714 432-628-5501		Generator's Site Address (For manifest mailing address) Los Alamos National Security LLC, ET P.O. Box 16633 Los Alamos, NM 87545-6333							
6. Generator's Phone		8. Transporter 1 Company Name Automated Solutions		U.S. EPA ID Number NM0890710E15					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address USEDOE on behalf of LANL Nuclear Waste Partnering 3996W SE of California on 39 Highway Carlsbad, NM 88221-1264 505-234-2105		U.S. EPA ID Number NM0890710E15							
Facility's Phone									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol	13. Waste Codes	
	Y	1. PO UN2916, WASTE, Radioactive Material, Type B(U) Package, Asse accepted, 7, Pu-230, Pu-233, 2.92E+0 TBq Solid Or Ide, Radioactive Yellow II, T=0.4, USA/5218/B(U)F-95, TP-184			1	CM	1215	N	F-001 D-004 P-002 D-005 A-006
	X	2. RO UN2916 WASTE Radioactive Material, Type B(U) Package, Asse accepted, 7, 4m 241, Pu-230, Pu-233, Pu-240, 9.92E+2 TBq Solid Or Ide, Radioactive Yellow II, T=0.4, USA/5218/B(U)F-95, TP-185			1	CM	919	K	F-001 D-004 P-002 D-005 A-006
	X	3. UN2916, Radioactive Material, excepted package except packaging, TP-189			1	CM	5605	N	
	4								
14. Special Handling Instructions and Additional Information Shipment# WC170002 ERG# 183, Tractor 121 Trailer C 351 Gross weight 4000 TP# 184-69521K 14-103454-LAD0000068227 14-103454 LAD000005256, TP# 185-5631K 14-103443 LAD0000000000 14-103425-LAD0000056000 TP# 189-5606KG									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name Barbara Vogler									
Signature Barbara Vogler									
Month Day Year 15 14 17									
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Part of entry/exit: Date leaving U.S.									
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Michael J. P. H. Signature Michael J. P. H. Month Day Year 5 14 17 Transporter 2 Printed/Typed Name Signature Month Day Year									
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: U.S. EPA ID Number									
18b. Alternate Facility (or Generator) Facility's Phone 18c. Signature of Alternate Facility (or Generator) Month Day Year									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. H132 3. 4.									
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name Barbara Vogler Signature Barbara Vogler Month Day Year 10 04 17									

ENCLOSURE 3

**NMED LETTER_ July 17 2014_ Notice of
Completion of Off-site Waste Shipment for
Storage Pending Disposal**

EPC-DO: 17

LA-UR: 17-24771

Date: JUN 16 2017



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us



RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

July 17, 2014

Mr. Andrew Worker
STP Project Manager
Los Alamos Field Office
National Nuclear Security Administration
3747 West Jemez Road, MS A316
Los Alamos, NM 87544

Ms. Monica Noll
STP Project Manager
Waste Management Programs (WM-PROG)
Los Alamos National Laboratory
P.O. Box 1663, MS-K996
Los Alamos, NM 87545

**RE: NOTICE OF COMPLETION OF OFF-SITE WASTE SHIPMENT FOR
STORAGE PENDING DISPOSAL, ACTIVITY 4.0, COMPLIANCE PLAN, SITE
TREATMENT PLAN, FEDERAL FACILITY COMPLIANCE ORDER
LOS ALAMOS NATIONAL LABORATORY
EPA ID #NM0890010515
HWB-LANL-14-026**

Dear Mr. Worker and Ms. Noll:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS) (collectively, the Respondents) *Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory* dated May 14, 2014, and received May 15, 2014, and referenced by WM-DO-14-039 and LA-UR-14-23406.

NMED has reviewed shipment activity and enclosed manifest and has the following comment:

Comment:

On February 14, NMED received notice of a release at the Waste Isolation Pilot Plant (WIPP) nuclear waste repository. The DOE identified that drum 68660 experienced an energetic chemical reaction which ultimately led to the release of radioactive material. Drum 68660 is part

Mr. Worker and Ms. Noll
July 17, 2014
Page 2

a nitrate salt waste stream identified as LA-MIN02-V.001. As stated in this manifest, approximately 153 containers from this waste stream were shipped to Waste Control Specialist, LLC, Texas (WCS) for temporary storage pending the reopening of WIPP between April 1-22, 2014.

As required by the NMED, the Permittees submitted the *Revised LANL Nitrate Salt-Bearing Waste Container Isolation Plan* on May 29, 2014, and the Permittees have begun to isolate all drums containing the associated nitrate salt-bearing waste stream (LA-MIN02-V.001). The Permittees report that these drums have been placed in standard waste boxes and are under continuous air and thermal monitoring (as of June 6, 2014).

The cause of the chemical reaction is still under investigation, and the need for additional remediation on these containers is unknown. In light of recent events, and the potential need to re-remediate all nitrate salt-bearing waste, NMED has determined that the removal of mixed transuranic waste (mixed-TRU) from the site treatment plan (STP) will be placed on hold until more information becomes available and it becomes clear that the waste currently stored at WCS will not be returned to LANL.

Please contact Siona Briley of my staff at (505) 476-6049 should you have any questions or concerns.

Sincerely,



John E. Kielling
Chief

Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
T. Hall, NMED HWB
S. Briley, NMED HWB
S. Yanicak, NMED DOE OB, MS J993
A. Dorries, ENV-DO

File: LANL, Site Treatment Plan 4.0, May 14, 2014 and
Fiscal Year 2014.